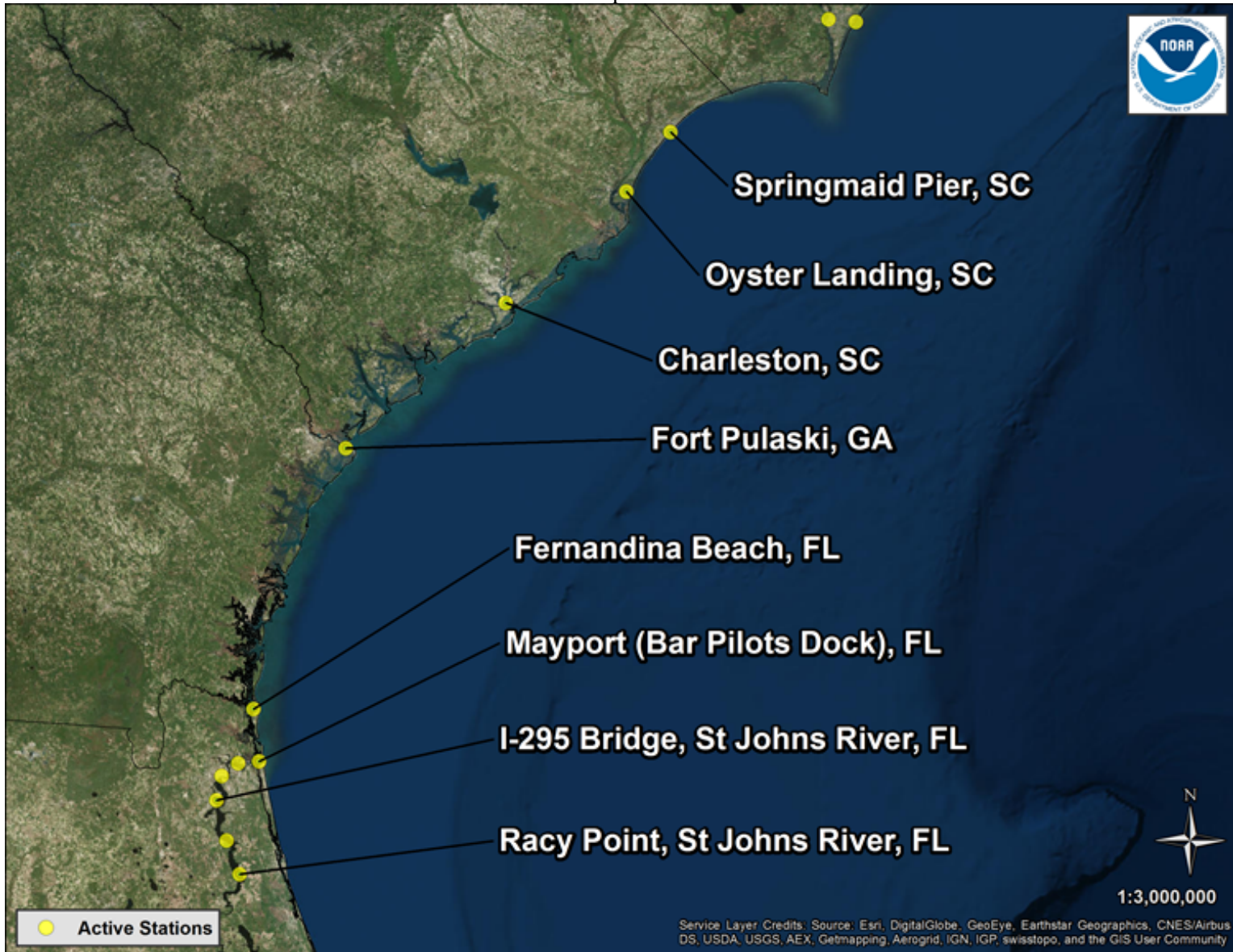




Tropical Storm JULIA QuickLook Posted: 12:00 EDT 09/14/2016

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 9/14/2016 12:00 EDT, water levels from northern Florida to South Carolina are slightly elevated running from 0.4 to 0.7 feet above tidal predictions.

Winds are running generally from 10-20 knots with some higher gusts to 25 knots. The breeziest conditions this morning are concentrated over northeast Florida and coastal Georgia. Barometric pressure continues to fall slightly

across the region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the National Hurricane Center (NHC) issues a new tropical storm or hurricane warning for the U.S. or its territories.

Analyst: ADM

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM JULIA ADVISORY NUMBER 3
NWS NATIONAL HURRICANE CENTER MIAMI FL
1100 AM EDT WED SEP 14 2016

...JULIA MOVING SLOWLY NEAR THE GEORGIA COAST...

WATCHES AND WARNINGS

There are no coastal watches or warnings in effect.

DISCUSSION AND 48-HOUR OUTLOOK

At 1100 AM EDT, the center of Tropical Storm Julia was located about 20 mi NE of Brunswick, Georgia. Julia is moving toward the north-northeast near 6 mph and a slow and erratic motion is expected over the next couple of days. Julia is likely to meander near the northern Georgia or southern South Carolina coastlines through Thursday.

Maximum sustained winds are near 40 mph with higher gusts. Slow weakening is forecast during the next 48 hours, and Julia is expected to become a tropical depression overnight.

Tropical-storm-force winds extend outward up to 115 miles to the northeast of the center.

The estimated minimum central pressure is 1011 mb.

HAZARDS AFFECTING LAND

WIND: Wind gusts to tropical storm force are possible along portions of the coasts of Georgia and southern South Carolina today.

RAINFALL: Julia is expected to produce total rain accumulations of 3 to 6 inches along the immediate coastline of South Carolina from Georgetown southward, and 2 to 4 inches near Savannah, Georgia. Isolated maximum amounts up to 10 inches are possible along the immediate coast of South Carolina. Julia is expected to produce total rain accumulations of 1 to 2 inches elsewhere along the coast from far northeast Florida to far southern North Carolina. This rainfall could lead to flash flooding, especially in Georgia and South Carolina.

TORNADOES: An isolated tornado is possible across southern South Carolina today.

NEXT ADVISORY

Next intermediate advisory at 200 PM EDT.

Next complete advisory at 500 PM EDT.

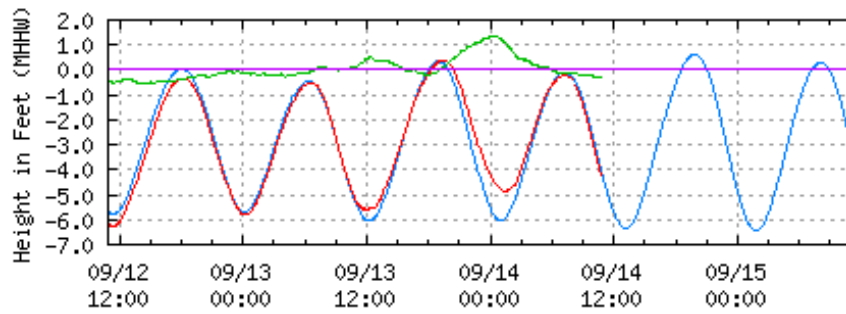
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Forecaster Pasch

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Fernandina Beach - Water Level](#), [Fernandina Beach - Winds](#), [Fernandina Beach - Barometric](#), [Mayport \(Bar Pilots Dock\) - Water Level](#), [Mayport \(Bar Pilots Dock\) - Winds](#), [I-295 Bridge](#), [St Johns River - Water Level](#), [I-295 Bridge](#), [St Johns River - Winds](#), [Racy Point](#), [St Johns River - Water Level](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#), [Fort Pulaski - Barometric](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Oyster Landing \(N Inlet Estuary\) - Water Level](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#)

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/14/2016 10:42 (EDT). Data relative to MHHW

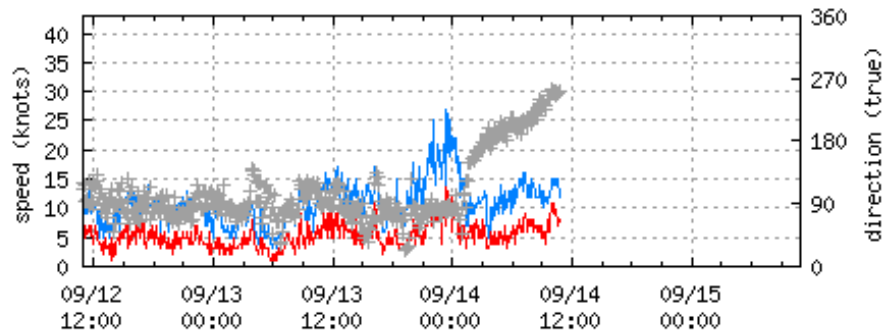
Observed: -4.24 ft. Predicted: -3.97 ft. Residual: -0.27 ft.

Historical Maximum Water Level: Oct 2 1898, 6.94 ft.

Next High Tide: 09/14/2016 19:49 (EDT), 0.62 ft.

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL

Wind Speed / Gusts / Direction

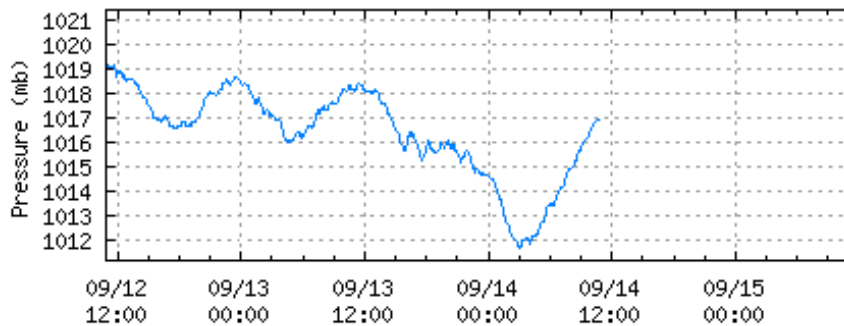


speed — gusts — direction +

Last Observed Sample: 09/14/2016 10:42 (EDT)

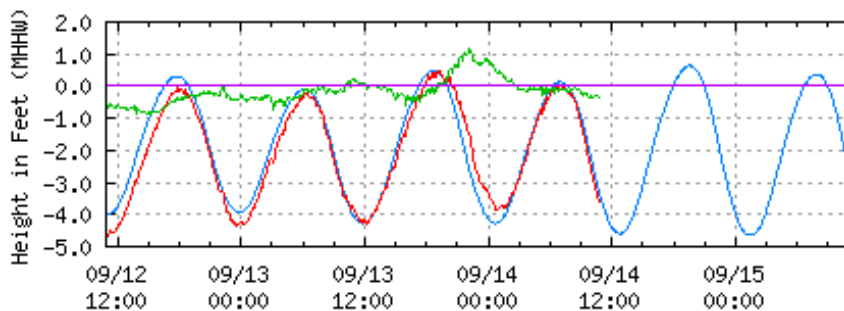
Wind Speed: 8 knots Gusts: 12 knots Direction: 251° T

NOAA/NOS/CO-OPS 8720030 Fernandina Beach, FL
Barometric Pressure



barometric pressure —
Last Observed Sample: 09/14/2016 10:42 (EDT)
Barometric Pressure: 1016.9 mb

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

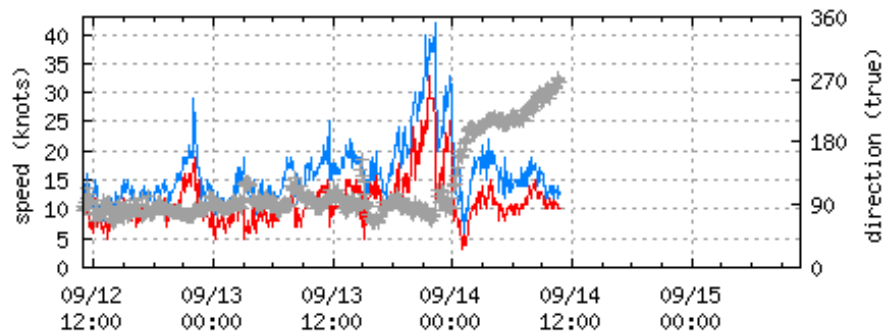
Last Observed Sample: 09/14/2016 10:42 (EDT). Data relative to MHHW

Observed: -3.60 ft. Predicted: -3.27 ft. Residual: -0.33 ft.

Historical Maximum Water Level: Sep 27 2004, 2.47 ft.

Next High Tide: 09/14/2016 19:30 (EDT), 0.64 ft.

NOAA/NOS/CO-OPS 8720218 Mayport (Bar Pilots Dock), FL
Wind Speed / Gusts / Direction

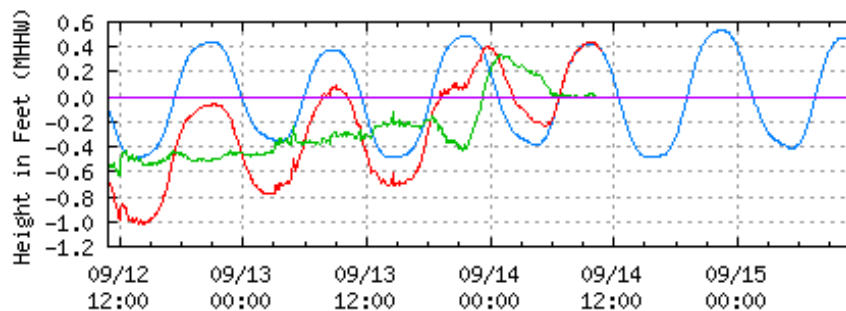


speed — gusts — direction +

Last Observed Sample: 09/14/2016 10:42 (EDT)

Wind Speed: 10 knots Gusts: 13 knots Direction: 265° T

NOAA/NOS/CO-OPS 8720357 I-295 Bridge, St Johns River, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —
Observed WL —

(Obs-Pred) —
MHHW —

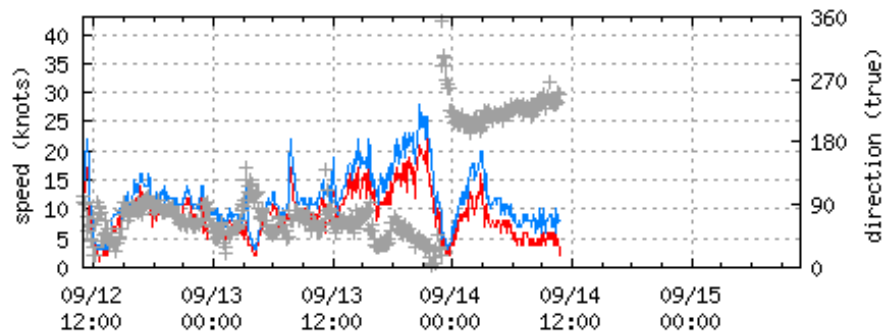
Last Observed Sample: 09/14/2016 10:42 (EDT). Data relative to MHHW

Observed: 0.37 ft. Predicted: 0.38 ft. Residual: -0.01 ft.

Historical Maximum Water Level: Sep 27 2004, 3.46 ft.

Next High Tide: 09/14/2016 22:28 (EDT), 0.53 ft.

NOAA/NOS/CO-OPS 8720357 I-295 Bridge, St Johns River, FL
Wind Speed / Gusts / Direction

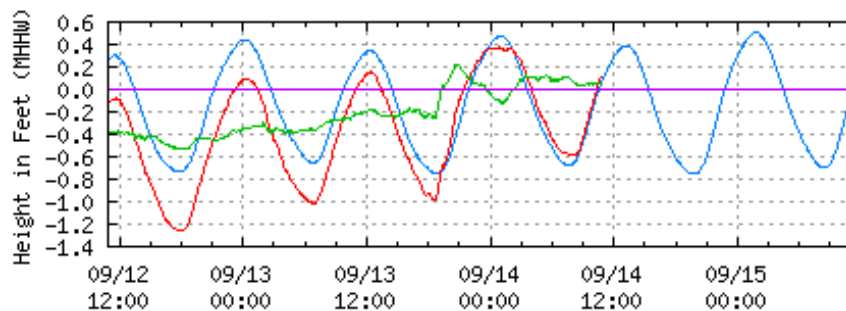


speed — gusts — direction +

Last Observed Sample: 09/14/2016 10:42 (EDT)

Wind Speed: 2 knots Gusts: 8 knots Direction: 248° T

NOAA/NOS/CO-OPS 8720625 Racy Point, St Johns River, FL
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

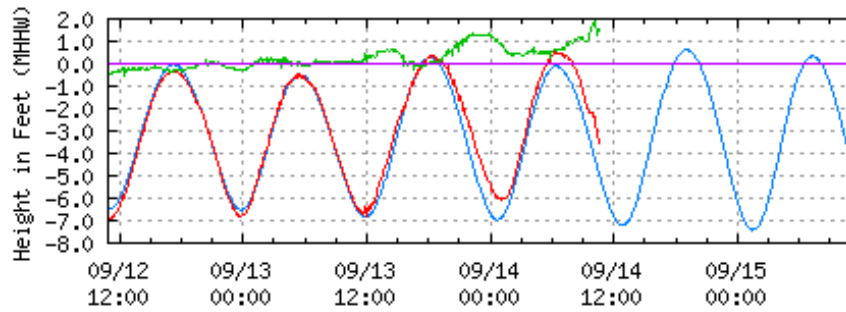
Last Observed Sample: 09/14/2016 10:42 (EDT). Data relative to MHHW

Observed: 0.10 ft. Predicted: 0.04 ft. Residual: 0.06 ft.

Historical Maximum Water Level: n/a

Next High Tide: 09/14/2016 13:13 (EDT), 0.39 ft.

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

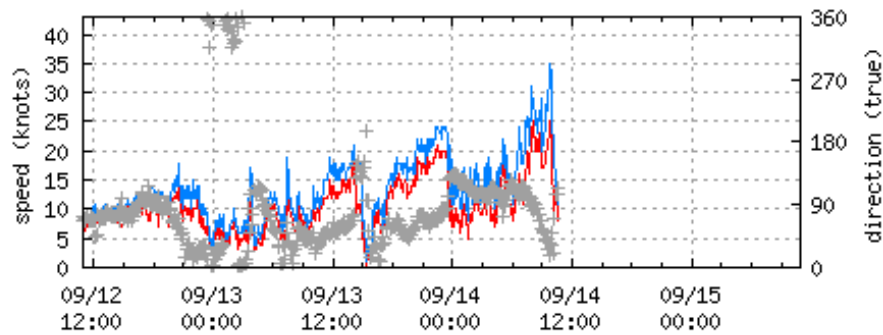
Last Observed Sample: 09/14/2016 10:36 (EDT). Data relative to MHHW

Observed: -3.58 ft. Predicted: -5.04 ft. Residual: 1.46 ft.

Historical Maximum Water Level: Oct 15 1947, 3.40 ft.

Next High Tide: 09/14/2016 19:02 (EDT), 0.61 ft.

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA
Wind Speed / Gusts / Direction

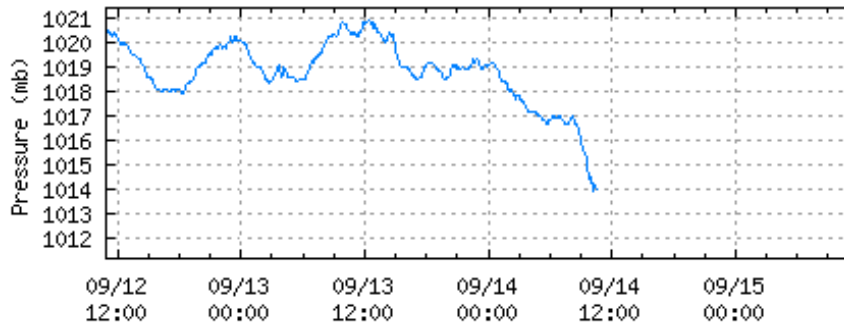


speed — gusts — direction +

Last Observed Sample: 09/14/2016 10:36 (EDT)

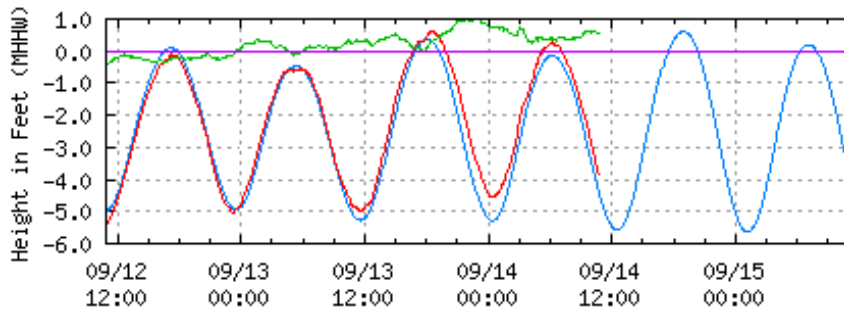
Wind Speed: 8 knots Gusts: 11 knots Direction: 104° T

NOAA/NOS/CO-OPS 8670870 Fort Pulaski, GA
Barometric Pressure



barometric pressure —
Last Observed Sample: 09/14/2016 10:36 (EDT)
Barometric Pressure: 1014.0 mb

NOAA/NOS/CO-OPS 8665530 Charleston, SC
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

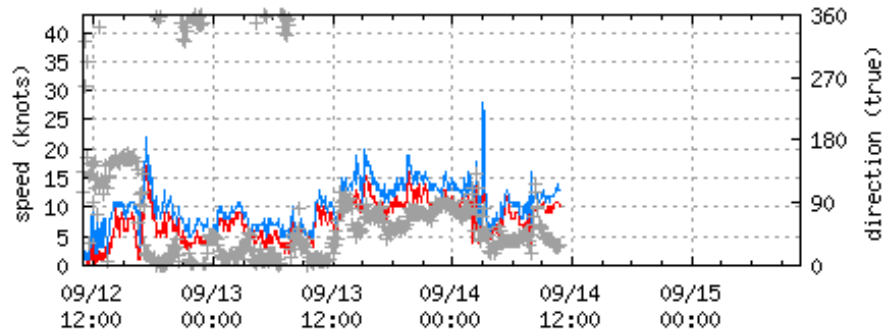


Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/14/2016 10:42 (EDT). Data relative to MHHW
Observed: -3.86 ft. Predicted: -4.41 ft. Residual: 0.55 ft.
Historical Maximum Water Level: Sep 21 1989, 6.76 ft.
Next High Tide: 09/14/2016 18:55 (EDT), 0.61 ft.

NOAA/NOS/CO-OPS 8665530 Charleston, SC

Wind Speed / Gusts / Direction



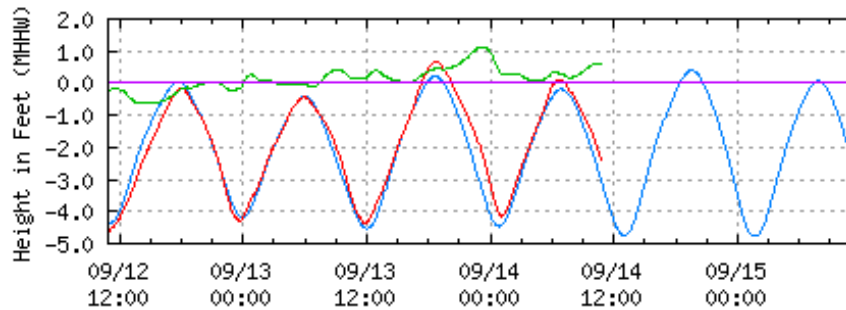
speed — gusts — direction +

Last Observed Sample: 09/14/2016 10:42 (EDT)

Wind Speed: 10 knots Gusts: 13 knots Direction: 30° T

NOAA/NOS/CO-OPS 8662245 Oyster Landing (N Inlet Estuary), SC

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —
Observed WL —

(Obs-Pred) —
MHHW —

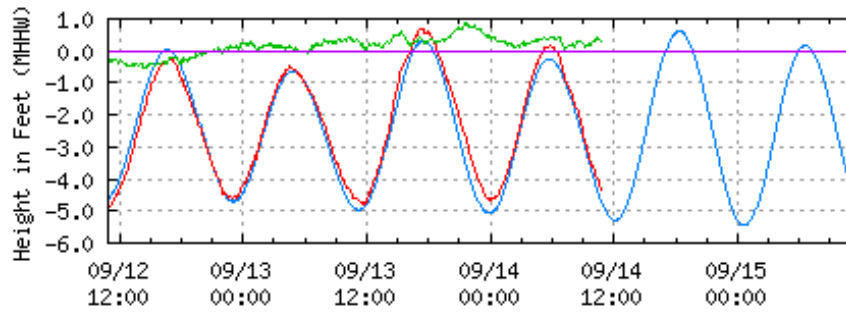
Last Observed Sample: 09/14/2016 10:42 (EDT). Data relative to MHHW

Observed: -2.38 ft. Predicted: -3.00 ft. Residual: 0.62 ft.

Historical Maximum Water Level: Aug 26 2011, 2.40 ft.

Next High Tide: 09/14/2016 19:32 (EDT), 0.39 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

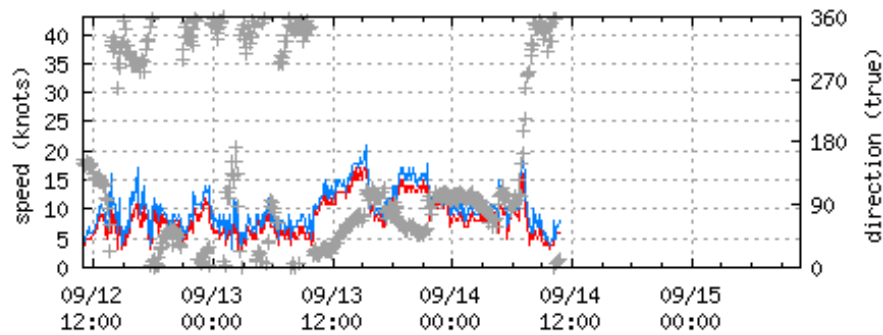
Last Observed Sample: 09/14/2016 10:42 (EDT). Data relative to MHHW

Observed: -4.34 ft. Predicted: -4.65 ft. Residual: 0.31 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 09/14/2016 18:19 (EDT), 0.62 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC
Wind Speed / Gusts / Direction



speed — gusts — direction +

Last Observed Sample: 09/14/2016 10:42 (EDT)

Wind Speed: 6 knots Gusts: 8 knots Direction: 12° T

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8720030	Fernandina Beach, FL	09/14/2016 10:42 (EDT)	-4.24 ft	-3.97 ft	-0.27 ft	0.37 ft
8720218	Mayport (Bar Pilots Dock), FL	09/14/2016 10:42 (EDT)	-3.60 ft	-3.27 ft	-0.33 ft	0.46 ft
8720357	I-295 Bridge, St Johns River, FL	09/14/2016 10:42 (EDT)	0.37 ft	0.38 ft	-0.01 ft	0.44 ft
8720625	Racy Point, St Johns River, FL	09/14/2016 10:42 (EDT)	0.10 ft	0.04 ft	0.06 ft	0.38 ft
8670870	Fort Pulaski, GA	09/14/2016 10:36 (EDT)	-3.58 ft	-5.04 ft	1.46 ft	0.56 ft
8665530	Charleston, SC	09/14/2016 10:42 (EDT)	-3.86 ft	-4.41 ft	0.55 ft	0.64 ft
8662245	Oyster Landing (N Inlet Estuary), SC	09/14/2016 10:42 (EDT)	-2.38 ft	-3.00 ft	0.62 ft	0.67 ft
8661070	Springmaid Pier, SC	09/14/2016 10:42 (EDT)	-4.34 ft	-4.65 ft	0.31 ft	0.71 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce